

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1916	714/100,20,48,723.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:37
L2	5863	705/52,53,75,77,7,8,22,32.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:37
L3	3215	714/47,46,49,53,37,42.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:39
L4	3864	705/40,34,30,24.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 19:00
L5	14373	1 or 2 or 3 or 4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:54
L6	785	correct\$4 with ((meter\$3 or usage) near3 (data or information))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 19:06
L7	7004	(accurate or error or correct\$3) with ((generat\$3 with report\$3 or invoic\$3) or billing or carg\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:54
L8	23	5 and 6 and 7	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:45
L9	7029	(validation or validate or validating) with (rule\$1 or engine or guidance\$1 or logic)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:53

EAST Search History

L10	1	8 and 9	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:47
L11	22	8 not 10	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:47
L12	481	usage with invalid	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:53
L13	2	11 and 12	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:49
L14	20	11 not 13	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 18:49
L15	7	usage with invalid	EPO; JPO	OR	OFF	2007/04/14 18:53
L16	100	(validation or validate or validating) with (rule\$1 or engine or guidance\$1 or logic)	EPO; JPO	OR	OFF	2007/04/14 18:53
L17	1338	1 or 2 or 3 or 4	EPO; JPO	OR	OFF	2007/04/14 18:54
L18	614	(accurate or error or correct\$3) with ((generat\$3 with report\$3 or invoic\$3) or billing or carg\$3)	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:54
L19	0	15 and 16	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:54
L20	0	15 and 18	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:54
L21	0	16 and 18	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:55
L22	3	17 and 18	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:57
L23	611	18 not 22	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:57
L24	0	17 and 23	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:57
L25	2	23 and rules	FPRS; EPO; JPO	OR	OFF	2007/04/14 18:57

EAST Search History

L26	445	705/34.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 19:00
L27	3	705/34.ccls.	EPO; JPO	OR	OFF	2007/04/14 19:01
L28	0	billing with usage with error	EPO; JPO	OR	OFF	2007/04/14 19:01
L29	1	billing and usage and error	EPO; JPO	OR	OFF	2007/04/14 19:01
L30	40	6 and photocopier\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 19:07
L31	1	9 and 30	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 19:07
L32	1	30 and 12	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2007/04/14 19:07

? logon

*** It is now 2007/04/14 20:12:43 ***

(Dialog time 2007/04/14 19:12:43)

HIGHLIGHT set on as ' ' ' '

>>>100 is not in the range between 1 and 50, original value 30 is used.

IGOR705 is set ON as an alias for

2,9,15,16,20,35,65,77,99,148,160,233,256,275,347,348,349,474,475,476,583,6-10,613,621,624,634,636,810,813

IGORMEDIC is set ON as an alias for

5,34,42,43,73,74,129,130,149,155,442,444,455

IGORINSUR is set ON as an alias for 169,625,637

IGORBANK is set ON as an alias for 139,267,268,625,626

IGORTRANS is set ON as an alias for 6,63,80,108,637

IGORSHOPCOUPON is set ON as an alias for 47,570,635,PAPERSMJ,PAPERSEU

IGORINVEN is set ON as an alias for 6,7,8,14,34,94,434

IGORFUNDTRANS is set ON as an alias for 608

? b igor705

>>> 77 does not exist

>>> 233 does not exist

>>>2 of the specified files are not available

14apr07 18:12:59 User268082 Session C5.1

\$0.00 0.236 DialUnits File415

\$0.00 Estimated cost File415

\$0.06 INTERNET

\$0.06 Estimated cost this search

\$0.06 Estimated total session cost 0.236 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 2:INSPEC 1898-2007/Apr W2

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File 9:Business & Industry(R) Jul/1994-2007/Apr 13

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File 15:ABI/Inform(R) 1971-2007/Apr 14

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File 16:Gale Group PROMT(R) 1990-2007/Apr 13

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File 160:Gale Group PROMT(R) 1972-1989

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(c) 2007 Info.Sources Inc

File 275:Gale Group Computer DB(TM) 1983-2007/Apr 13

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File 347:JAPIO Dec 1976-2006/Dec(Updated 070403)

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 File 474:New York Times Abs 1969-2007/Apr 14
 (c) 2007 The New York Times
 File 475:Wall Street Journal Abs 1973-2007/Apr 14
 (c) 2007 The New York Times
 File 476:Financial Times Fulltext 1982-2007/Apr 15
 (c) 2007 Financial Times Ltd
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
 *File 583: This file is no longer updating as of 12-13-2002.
 File 610:Business Wire 1999-2007/Apr 14
 (c) 2007 Business Wire.
 *File 610: File 610 now contains data from 3/99 forward.
 Archive data (1986-2/99) is available in File 810.
 File 613:PR Newswire 1999-2007/Apr 08
 (c) 2007 PR Newswire Association Inc
 *File 613: File 613 now contains data from 5/99 forward.
 Archive data (1987-4/99) is available in File 813.
 File 621:Gale Group New Prod.Annou.(R) 1985-2007/Apr 13
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 File 624:McGraw-Hill Publications 1985-2007/Apr 13
 (c) 2007 McGraw-Hill Co. Inc
 *File 624: Homeland Security & Defense and 9 Platt energy journals added
 Please see HELP NEWS624 for more
 File 634:San Jose Mercury Jun 1985-2007/Apr 13
 (c) 2007 San Jose Mercury News
 File 636:Gale Group Newsletter DB(TM) 1987-2007/Apr 11
 (c) 2007 The Gale Group
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc

Set	Items	Description
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? s photocopier? and usage and billing

	28762	PHOTOCOPIER?
	1518564	USAGE
	680241	BILLING
S1	188	PHOTOCOPIER? AND USAGE AND BILLING

? s 1 and (error or invalid) and (validation (w) rule?)

Processing
 Processing
 Processing
 Processing

Processing
Processing

Processing
Processed 10 of 27 files ...
Processing
Processed 20 of 27 files ...
Completed processing all files
47159853 1
1529119 ERROR
129564 INVALID
414025 VALIDATION
5942446 RULE?
1689 VALIDATION(W) RULE?
S2 485 1 AND (ERROR OR INVALID) AND (VALIDATION (W) RULE?)

? s generat??? (w) error (w) report?

Processing
Processing
Processing
Processing
Processing
Processing
Processing
Processing

Processing
Processing
Processed 10 of 27 files ...
Processing
Processed 20 of 27 files ...
Completed processing all files
12259656 GENERAT???
1529119 ERROR
29737228 REPORT?
S3 45 GENERAT??? (W) ERROR (W) REPORT?

? s s1 AND (ERROR OR INVALID) AND (VALIDATION (W) RULE?)

Processing

188 S1
1529119 ERROR
129564 INVALID
414025 VALIDATION
5942446 RULE?
1689 VALIDATION(W) RULE?
S4 0 S1 AND (ERROR OR INVALID) AND (VALIDATION (W) RULE?)

? s s2 and s3 and (VALIDATION (W) RULE?)

485 S2
 45 S3
 414025 VALIDATION
 5942446 RULE?
 1689 VALIDATION(W) RULE?
 S5 1 S2 AND S3 AND (VALIDATION (W) RULE?)

? t s5/3,k/1

DIALOG(R)File 349: PCT FULLTEXT
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 5/3K/1
 01318643

DIRECT CONNECTIVITY SYSTEM FOR HEALTHCARE ADMINISTRATIVE TRANSACTIONS

SYSTEME DE CONNECTIVITE DIRECTE DESTINE A DES OPERATIONS ADMINISTRATIVES
 EN MATIERE DE SOINS DE SANTE

Patent Applicant/Patent Assignee:

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 (For all designated states except: US)
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 (Designated only for: US)
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 (Designated only for: US)

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Legal Representative:

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	Country	Number	Kind	Date
Patent	WO	200600444	A2	20060105
Application	WO	2005EP6899		20050627
Priorities	US	2004583453		20040628

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
IS; JP; KE; KG; KM; KP; KR; KZ; LC; LK;
LR; LS; LT; LU; LV; MA; MD; MG; MK; MN;
MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG;
PH; PL; PT; RO; RU; SC; SD; SE; SG; SK;
SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA;
UG; US; UZ; VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;
MC; NL; PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

Filing Language: English

Fulltext word count: 9178

Claims:

...effort communicating administrative transactions with health insurance companies. These transactions can include claim submission, member1CONFIRMATION COPYeligibility verification, claim status checks, coordination of benefits with third party payers, remittance... ..not linked into the providerspractice management systems and therefore required time consuming, costly, and error-prone duplicate data entry into the portal. In addition, any responsefrom the payer throughtransaction file from the provider to the payer.BRIEF DESCRIPTION OF THE DRAWINGS[013] Figure 1 illustrates service providers directly connected with payers. [014] Figure 2 illustrates one example of a... ..may be separate programs, or may bedistributed across several memories and processors.(023] Figure 1 shows service provider data processing systems 102, 104,106, and 108 ("providers") directly connected through... ..in more detail below.[027] The direct connectivity solutions 130-136 communicate with thepayers 1 1 6-120 over one or more of the networks 1 1 0-1 14.

The networks 110-114 may adhere to different network topologies and technologies and may... communication, or other types of networks in place between the providers 102-108 and the payers 110-114. In other words, the networks 102-108 and 110-114 represent a transport mechanism or interconnection of multiple transport mechanisms for bidirectional data... direct connectivity payer gateways 144, 146, and 148, explained in more detail below. [030] Figure 1 shows an example that includes four providers 102-108, three payers 116-120, and three... separate administrative messages or data, or other payer identification data. As one example, in the transaction file, a Payer ID entry may specify to which payer a transaction file... a public key infrastructure encryption or decryption to a claim file, to batches of claim files, to XML tagged claim files, or other data. The web services layer may also... records for the gateway 134. For example, the transaction reports 252 may store data transmission error records. As other examples, the transaction reports 252 may store data transfer statistics such as ... time to the direct submission of claim files with acknowledgements, status updates, claim file format messages, processing messages, claim status indicators, or other response data. In one implementation, the claim... calling convention by which the POMIS software 212 may access direct connectivity services through a formalized set of software calls and routines. Accordingly, the API 504 may define one... as to generate status reports for claim payments, determine eligibility for providers or their clients, generate error reports for rejected claims, and to perform other related tasks. [059] The payer 116 also includes... support the local network connection 610 and also provide a connection to the network 102-108. The gateway 144 also includes a web services layer 616, a processor 618, and... In addition, the payer gateway 144 may include transaction reports 642, business rules 644, and validation rules 646. [061] The discussion below addresses the specific example of a payer 116 processing a... may execute the batching program 626 to coordinate reception of batches of claim files. The batching program 626 may read configuration information from the batch configuration data 640 that... gateway 144 may execute the validation program 628. The validation program 628 may read the validation rules 646 and apply the validation rules 646 to the received claim files. As examples, the validation rules may dictate that data fields include a data value of the appropriate type (e.g., the business rules 644 may require that diagnostic codes in the claim file are standards approved diagnostic codes. In other words, the business rules program 632 may substantively examine... claim data content to determine whether the claim data may be processed by the payer 116. [067] The database integration program 634 provides an interaction layer that communicates with the... records for the payer gateway 144. As noted above, transaction reports may store data transmission error records, data transfer statistics such as time, date, byte count, encryption, reasons for claim rejections... in the Mailbox may include a sequence and message number to confirm receipt. [086] Table 1, below, shows header fields that may be employed in data messages sent between providers 102-108 and payers 116-120: Table 1 Field Explanation Sequence Number For multi-part requests Message Number For multi-part requests Correlation... header information such as total claims in each submission and number of rejected claims; an Error Summary report that shows a breakdown of errors and rejections organized by error code for a date range and submission type (e.g., for claims submissions, eligibility queries... and an Errors by Provider report that shows a breakdown of errors and rejects by error code for a provider by date range and submission type. [088] The user interface 234... parameters, or other configuration information. [090] The user interface 234 also may include claim error screens. The claim error screens may show all functional acknowledgements that have been saved locally. The functional acknowledgements may... may also provide a deletion mechanism to delete locally saved functional acknowledgements. An additional claim error screen may provide detail views and navigation of individual functional acknowledgement records. [091] Provider configuration... executes the transaction file submission program.

2 The service provider data processing system of claim 1, where the

memory further comprises a response acceptance program comprising response reception instructions that receive... the service provider data processing system. 26. The service provider data processing system of claim 1, where the transaction file configuration entries comprise a filename entry and a payer identification entry.

4 The service provider data processing system of claim 1, where the transaction file configuration entries comprise a directory entry and a payer identification entry.

5 The service provider data processing system of claim 1, where the payer connection data comprises payer identification entries associated with the payer communication addresses.

6 The service provider data processing system of claim 1, further comprising an extensible markup language (XML) wrapper program that applies an XML wrapper to... portion of the analyzed transaction file.

7 The service provider data processing system of claim 1, further comprising an encryption program that applies an encryption to the analyzed transaction file.

8 The service provider data processing system of claim 1, where the memory further comprises a practice management program and where the transaction file submission... the transaction file submission program and the file interface program.

11 The gateway of claim 10, where the communication interface is a service provider local network interface connected to the practice management processing system.

12 The gateway of claim 10, where the transaction file attribute analysis instructions comprise filename attribute analysis instructions.

13 The gateway of claim 10, where the transaction file attribute analysis instructions comprise directory attribute analysis instructions.

28. The gateway of claim 1 0, further comprising an extensible markup language (XML) wrapper program that applies an XML wrapper to at least a portion of the analyzed transaction file.

15 The gateway of claim 10, where the practice management processing system and the gateway are located at a service...

? ds

Set	Items	Description
S1	188	PHOTOCOPIER? AND USAGE AND BILLING
S2	485	1 AND (ERROR OR INVALID) AND (VALIDATION (W) RULE?)
S3	45	GENERAT??? (W) ERROR (W) REPORT?
S4	0	S1 AND (ERROR OR INVALID) AND (VALIDATION (W) RULE?)
S5	1	S2 AND S3 AND (VALIDATION (W) RULE?)

? s s3 and PHOTOCOPIER?

	45	S3
	28762	PHOTOCOPIER?
S6	0	S3 AND PHOTOCOPIER?

? s s3 and printer?

	45	S3
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1035856 PRINTER?
S7 17 S3 AND PRINTER?

>>> User not logged in or session timeout

? s s7 and rule? and validat???

>>> User not logged in or session timeout

? ds

>>> User not logged in or session timeout

?

? logon

*** It is now 2007/04/14 20:34:31 ***
(Dialog time 2007/04/14 19:34:31)

HIGHLIGHT set on as '' ''
>>>100 is not in the range between 1 and 50, original value 30 is used.
IGOR705 is set ON as an alias for
2,9,15,16,20,35,65,77,99,148,160,233,256,275,347,348,349,474,475,476,583,6-
10,613,621,624,634,636,810,813
IGORMEDIC is set ON as an alias for
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IGORBANK is set ON as an alias for 139,267,268,625,626
IGORTRANS is set ON as an alias for 6,63,80,108,637
IGORSHOPCOUPON is set ON as an alias for 47,570,635,PAPERSMJ,PAPERSEU
IGORINVEN is set ON as an alias for 6,7,8,14,34,94,434
IGORFUNDTRANS is set ON as an alias for 608

? b igor705

>>> 77 does not exist
>>> 233 does not exist
>>>2 of the specified files are not available
14apr07 18:34:42 User268082 Session C6.1
\$0.00 0.238 DialUnits File415
\$0.00 Estimated cost File415
\$0.03 INTERNET
\$0.03 Estimated cost this search
\$0.03 Estimated total session cost 0.238 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 2:INSPEC 1898-2007/Apr W2
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(c) 1999 The Gale Group
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*File 624: Homeland Security & Defense and 9 Platt energy journals added
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 (c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30
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Set	Items	Description
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? s GENERAT??? (W) ERROR (W) REPORT?

Processing
 Processing
 Processing
 Processing
 Processing
 Processing
 Processing
 Processing

Processing
 Processing

Processed 10 of 27 files ...
Processing
Processed 20 of 27 files ...
Completed processing all files
12259656 GENERAT???
1529119 ERROR
29737228 REPORT?
S1 45 GENERAT??? (W) ERROR (W) REPORT?

? s s1 and rule? and ((office (w) equipment) or printer?)

Processing
Processing
Processing
Processing

Processing
Processed 10 of 27 files ...
Processing
Completed processing all files
45 S1
5942446 RULE?
12164003 OFFICE
14740265 EQUIPMENT
760520 OFFICE (W) EQUIPMENT
1035856 PRINTER?
S2 14 S1 AND RULE? AND ((OFFICE (W) EQUIPMENT) OR PRINTER?)

? s s2 and validat???

14 S2
976405 VALIDAT???
S3 14 S2 AND VALIDAT???

? t s3/3,k/1-14

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3/3K/1
00847412

METHOD FOR A HEALTH CARE SOLUTION FRAMEWORK
PROCEDE DESTINE A UNE STRUCTURE DE SOINS DE SANTE

Patent Applicant/Patent Assignee:

- **ACCENTURE LLP**; 1661 Page Mill Road, Palo Alto, CA 94304
US; US(Residence); US(Nationality)

Legal Representative:

- **KUDLA Jonathan(agent)**

Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill Road, Palo Alto, CA 94304; US;

	Country	Number	Kind	Date
Patent	WO	200180092	A2-A3	20011025
Application	WO	2001US12270		20010413
Priorities	US	2000548925		20000413
	US	2000549237		20000413
	US	2000549086		20000413

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

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Fulltext word count: 66004

English Abstract:

...stations. Also, a data management template corresponding to the files is selected. Next, it is **validated** that all of the files to be loaded match the data management template. Then, the files are sent to a database for loading in the database upon **validation** that the files match the data management template.

French Abstract:

...base de donnees en vue d'un chargement dans la base de donnees apres une **validation** selon laquelle les fichiers correspondent au modele de gestion de donnees.

Detailed Description:

...data management template corresponding to the files is selected. Next, (inverted exclamation mark)it is **validated** that all of the files to be loaded match the data management template. Then, the files are sent to a database for loading in the database upon **validation** that the files match the data management template.

In one aspect of the present invention...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programer is supposed to provide versus what the framework provides.

Call versus...and client-side performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance. Dynamic, real-time Web pages can...Produces highly replicable and consistent results
Eliminates the insertion of erroneous data by enforcing business **rules**/requirements and ensuring that referential integrity, codependency, primary key, required field, default field sequence number...
...template may specify specific particular sizes of the files/records. In operation 308, it is **validated** that all of the records/files to be loaded match the data management template. In...310, the records/files are sent to a database for loading in the database upon **validation** that the records match the data management template.

In one embodiment of the present invention... portions. Each of the divisible portions of the data is checked in operation 508 to **validate** that the data meets predetermined criteria, such as that it includes certain content. In operation...after separation.

Preferably, the divisible portions of the data are loaded into a table before **validating** that the data meets the predetermined criteria. Optionally, a notification may be sent to the ... records are sent to a database in operation 608 for loading in the database upon **validation** that the records match the data management template. A report of records that match the...not match the data management template. Preferably, the records are loaded into a table before **validation** of the records. As an option, a notification may be sent to a user station...A data management template which corresponds to the keywords is selected in operation 704. A **validation** is performed in operation 706 to determine whether all of the data to be loaded...is sent to a database in operation 708 to be loaded in the database upon **validation** that the data matches the data management template.

In one embodiment of the present invention...In another embodiment of the present invention, the data is loaded into a table before **validation** of the data. Optionally, a notification is sent to a user upon detecting a concurrently...the repository.

They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of the... result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...on business risk
Development of security standards, guidelines and procedures
Implementation of security controls
Security **validation**
Security Requirement Definition
Security requirements are the outcome of the security Risk Assessment. This is...developers that these security controls are implemented and adhered to throughout the development process.

Security **Validation**

In order to ensure the security of the system, periodical security audits should be arranged...Management includes activities such as.

Monitoring and controlling update activities in the repository

Receiving and **validating** data element change requests

Creating and modifying data elements

Enforcing project standards regarding repository objects

Validating the contents of the repository to avoid redundancy and inconsistencies Ensuring accuracy of the repository... processes must be implemented.

Repository Management can be divided into the following areas.

Security

Maintenance

Validation and mass change

Analysis, reporting, and querying

Security

Restricted access to various repository object types... related objects must be locked.

This is the responsibility of the Repository Management team.

Repository **Validation** and Mass Changes

43

Detailed, project-specific standards should exist for defining repository objects. These standards can form the basis for a repository **validation** program, which can run through the entire repository and report on detected deviations from standards... can also enforce the standard.

Mass changes to the repository can be performed when the **validation** reports show the occurrence of many standards violations that follow a common pattern. This may... which the quality verification process is managed. The V-model ensures that deliverables are verified, **validated**, and tested. It is based on the concept of stage containment (enforcing for a given... Up.

The V-model is a framework that promotes stage containment by organizing the verification, **validation**, and testing in and across all the methodology elements throughout the delivery phase of the... environment.

A hardware and systems software acceptance test environment where components from external suppliers are **validated** before the component is accepted into the environment.

68

In addition to reducing risk, testing... it may also be applied to the management of design problems detected during verification or **validation** steps. Problem Management is a crucial process in the system.

development life cycle. It ensures... deals with what the system must do, design addresses how the system will be constructed. **Validating** that the design actually meets the requirements for functionality, performance, reliability, and usability is essential... technical issues

Which tools to use and how to use them

How to perform design **validation**

When and how to initiate and perform functional and technical design reviews

How to cope... work is performed manually: one person studies thick listings to understand data layouts and processing **rules**. The person gradually builds a higher-level understanding of how the components work and interact... Usability guidelines

Shell usage guidelines

Tools usage guidelines

Test (836)

System test is performed to **validate** that the gathering and transformation of information is complete and correct.

As automation progresses and... RTP. It describes the framework for the testing process, or the V-model of verification, **validation**, and testing.

e) Are program specifications being tested?

The following is an overview of the component test as documented by RTP. It describes the testing methods used to **validate** the detailed design stage where program specifications are tested.

Component Test - A component test is... of the assembly test as documented by RTP. It describes the testing methods used to **validate** the technical design stage where system designs are tested.

Assembly Test - The assembly test tests... the benefits realization test as documented by RTP. It describes the testing methods used to **validate** the business case stage where benefits, costs, and other intangibles are tested.

Benefits Realization Test... readiness test as documented by the RTP. It describes the testing methods used to **validate** the requirement/definition stage where quality, technical and functional/user requirements are tested.

82

The ...process as opposed to using an integrated CASE tool

j) Does the tools repository support **validation**?

All key characteristics of repository objects (for example, data elements) and their interrelationships should be **validated**. Taking data elements as an example, these characteristics may include.

Naming standards for data element... with each programming language

Data element types

99

At a minimum, naming standards must be **validated** to allow better navigation of the repository and easier reuse of elements.

Does the tool provide... the parsers, or by having the repository administrator trigger the parsing at regular intervals.

Repository **Validation** and Mass Changes - All key characteristics of data elements, and their interrelationships, should be **validated**, including.

Naming standards for the element name

Naming standards for the variable name associated with... Type (for example, numeric and alphanumeric)

Length and precision

Window display and internal precision

Similar **validation** can be performed on other repository objects depending on project standards. At a minimum, naming standards must be **validated**. This helps designers navigate the repository and thereby encourages reuse.

Import and export utilities, which... Considerations

a) Are there any Problem Management tools identified?

Problem Management tools log error information, **generate error reports** (such as System Investigation Reports or SIRs), classify problems, and record information on the source...such as, for example, a signal from a timer function.

h) Does the tool support **validation** of the diagram?

To ensure that a data flow diagram is complete, each process should...inverted exclamation mark)t. The tool should facilitate the identification of exceptions to these general **rules**.

i) Is a detailed process model with complex processes to be documented?

At the lowest level of...boxes, etc.), window styles, (multi-window, multi-document, paned-window), and menu styles, along with **validation** and inter-application communication. Consideration should also be given as to the extensibility of the...and must be built into the requirements.

Assess incidents automatically, based on previous experience and **rules**

Knowledge and case based incident management systems are becoming prevalent in the market place, and... all of the printing done across a distributed environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is... applications need to do is obtain the data.

Print Architecture offers.

It provides independence from **printer** devices and languages

It makes it easy to develop and maintain report

Paper consumption may...What types of printers will be required (e.g., laser, impact, inkjets, etc.)? The types of **printers** will be dictated by the business requirements. The types of **printers**, will in turn, determine what tools can be used to manage printing may or may not be required.

Where are the **printers** going to be located?

The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some... and archives the balancing reports for easy auditor review.

Provides a common output spooling and **printer** device control capability across the network.

Provide report reprint capability, avoid reruns in lost report...to the resource consumption management facility.

205

Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** format translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management issues...registered within the inventory system and that detailed information for registered assets is updated and **validated** throughout the assets lifetime.

This information will be required for such activities as managing service...ability to measure CPU and disk utilization, memory occupancy, transaction response time, reports (storage & distribution), **printers**, network utilization and performance, circuit utilization, backup facilities, WAN / LAN utilization..

Instance level tuning and...cause positive things to take place (e.g., better system

performance, improved operability, etc.)

Product **Validation**

Product **Validation** tests potential hardware and software for the distributed environment prior to procurement to determine how well a product will fulfill the requirements identified. Product **Validation** also ensures that the implementation of a new product will not adversely affect the existing... There are many configuration variants in the distributed environment, a single test environment for the **validation** becomes difficult to achieve and multiple test environments may be required.

233

Release Testing receives...

Claims:

...files

into the database;(c) selecting a data management template corresponding to the files;(d) **validating** that all of the files to be loaded match the data management template; and. (e) sending the files to a database for loading in the database upon **validation** that the files match the data management template.

2 A method as recited. in claim... ..e) logic that sends the files to a database for loading in the database upon **validation** that the files match the data management template.

14 A system as recited in claim...organized around the keywords;(b) selecting a data management template corresponding to the keywords;(c) **validating** that all data to be loaded matches the data management template; and (d) sending the data to a database for loading in the database upon **validation** that the data matches the data management template.

26 A method as recited in claimin elaim 25, further comprising the step of loading the data into a table before **validation** of the data.

30 A method as recited in claim 25, further comprising the step...

DIALOG(R)File 349: PCT FULLTEXT

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3/3K/2

00814145

A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU

Patent Applicant/Patent Assignee:

- **ACCENTURE LLP**; 1661 Page Mill Road, Palo Alto, CA 94304
US; US(Residence); US(Nationality)

Legal Representative:

- **HICKMAN Paul L(agent)**

Oppenheimer Wolff & Donnelly, LLP, P.O. Box 52037, Palo Alto, CA 94303; US;

	Country	Number	Kind	Date
Patent	WO	200146889	A2	20010628
Application	WO	2000US35216		20001222
Priorities	US	99470805		19991222
	US	99469525		19991222
	US	99470039		19991222

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GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

Filing Language: English

Fulltext word count: 98671

Detailed Description:

...principles and the services which provide them; Figure 41 illustrates a legal framework when the **rules** are set by the VTrade Enterprise;

Figure 42 depicts the legal responsibilities of VTrade and ...Content Areas (DCAs) embedded within the template in accordance with a method of associating a **rule** and content to an interaction;

Figure 102 depicts a ShARE (Selection, Acquisition, Retention, and Extension...issue for Wtrade with the roll-out of an inexpensive web-based application * Unique Payment **Rules** Introduces a unique hybrid of e-Commerce and Visa Card payment **rules** for quicker dispute resolution for the international trading communityTrade Facilitation Unleashes the power of trade... ..performed by buyer, down payment turnaround. 80% of trade payment will be faster using VTrade **Rules**.

documents are 'discrepant" and average Discrepancies will be greatly reduced with order to payment is ...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the framework provides.

Call versus...client-side performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance. Dynamic, real-time Web pages can ...Track BL

ii) Cross commercial shipping documents check

The compliance checking is performed through data **validation** on defined parameters of structured formats for text. Once the compliance engine finds all structured components.

Signature/**validation**: allow the sender to sign its message before sending them and to **validate** its signature

Encryption/decryption of on-line transaction: allow the sender to encrypt the messages

he wants to send in order to keep its... ..Exchange of third party services on transactions

VTrade should operate under some group of recognized **rules**, preferably **rules** that are enforceable in foreign countries. Figure 40 illustrates an embodiment of the present invention in which VTrade operates under applicable Visa Card and international commerce **rules** 4000, 4002, with an avenue for dispute resolution via the ICC international court for arbitration.

Figure 41 illustrates a legal framework 4100 when the **rules** are set by the VTrade Enterprise.

These **rules** may apply to both the buyer and seller. All legal contracts outside the VTrade **rules** should also be established between parties.

Figure 42 depicts the legal responsibilities of VTrade 4200... ..VTrade may provide a forum for buyers and sellers to settle unresolved disputes through VTrade **Rules**. The handling of disputes under Traditional Trade Finance can be governed by **rules** in UCP 500 and URC 522 issued by the International Chamber of Commerce (ICC). Both UCP 500 and URC 522 contain a complex set of **rules** relating the documents in International Trade.

VTrade, may have its own set of **rules** which govern the underlying goods similar to how credit card **rules** for retail transactions. In traditional trade finance, disputes can be settled bringing the case to... ..law of contracts. Similarly, VTrade can provide a similar avenue of resolving disputes under VTrade **rules**.

Under traditional Trade Finance, the process of refusal of acceptance occurs when the importer refuses...product information

* Efficient, cost effective transaction capability

Information on members and counterparties

Clear and detailed **rules** and policies

Transactions initiated and consummated online

As shown in Figure 55, an eMarket 5500...to complete the forms to reflect the negotiated terms utilizing the network in operation 6608. **Rules** and regulations relating to the goods may also be displayed in operation 6610. In order... ..may be offered include.

o Payments and trade information

o Regional and product-specific trade **rules** and regulations will be available on-line

* Decision support tools

o Tools will be available...in the database may be checked in operation 6710 based on a predetermined set of **rules** using a **rule**-based engine. Further, in operation 6712, ftdms may be released to the seller upon the...the repository.

They need to have an intimate understanding of the repository structure and the **rules** that govern how

different objects should be stored in the repository. Although most of the... Application teams should include the Information Management team in relevant design discussions. This facilitates the **validation** of design outputs.

Folder Management

Folders (or directories) can be very useful in gaining control...result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...on business risk

Development of security standards, guidelines and procedures

Implementation of security controls

Security **validation**

Security Requirement Definition

Security requirements are the outcome of the security Risk ...developers that these security controls are implemented and adhered to throughout the development process.

Security **Validation**

In order to ensure the security of the system, periodical security audits should be arranged...project teams at a detailed level.

Repository Management includes activities such as.

Monitoring and controlling update activities in the repository

Receiving and **validating** data element change requests

0 Creating and modifying data elements

Enforcing project standards regarding repository objects

Validating the contents of the repository to avoid redundancy and inconsistencies * Ensuring accuracy of the repository...must be implemented.

Repository Management can be divided into the following areas.

Security

9 Maintenance

Validation and mass change

Analysis, reporting, and querying

Security

Restricted access to various repository object types...related objects must be locked.

This is the responsibility of the Repository Management team.

Repository **Validation** and Mass Changes

Keeping thousands of data elements consistent and in compliance with project standards...should exist for defining repository objects. These standards can form the basis for a repository **validation** program, which can run through the entire repository and report on detected deviations from standards...can also enforce the standard.

Mass changes to the repository can be performed when the **validation** reports show the occurrence of many standards violations that follow a common pattern. This may... which the quality verification process is managed. The V-model ensures that deliverables are verified, **validated**, and tested. It is based on the concept of stage containment (enforcing for a given... Up

The V-model is a framework that promotes stage containment by organizing the verification, **validation**, and testing in and across all the methodology elements throughout the delivery phase of the...nent.

A hardware and systems software acceptance test environment where components from external suppliers are **validated** before the component is accepted into the envirom-nent.

One or more separate architecture build... it may also be applied to the management of design problems detected during verification or **validation** steps. Problem Management is a crucial process in the system development life cycle. It ensures... what

@p

the syste in must do, design addresses how the system will be constructed. **Validating** that the design actually meets the requirements for functionality, performance, reliability, and usability is essential...technical issues

Which tools to use and how to use them

How to perform design **validation**

e When and how to initiate and perfon-n functional and technical design reviews

How... work is performed manually: one person studies thick listings to understand data layouts and processing **rules**. The person gradually builds a higher-level understanding of how the components work and interact...Usability guidelines

Shell usage guidelines

Tools usage guidelines

Test (8136)

System test is performed to **validate** that the gathering and transformation of infonnation is complete and correct.

As automation progresses and...RTP. It describes the framework for the testing process, or the V-niodel of verification, **validation**, and testing.

b) Areprogram specifications being tested?

The following is an overview of the component test as documented by RTP. It describes the testing methods used to **validate** the detailed design stage where program specifications are tested.

Component Test - A component test is... of the assembly test as documented by RTP. It describes the testing methods used to **validate** the technical design stage where system designs. are tested.

Assembly Test - The assembly test tests... the benefits realization test as documented by RTP. It describes the testing methods used to **validate** the business case stage where benefits, costs, and other intangibles are tested.

Benefits Realization Test...readiness test as documented by the ,5 RTP. It describes the testing methods used to **validate** the requirement/definition stage where quality, technical and finictional/user requirements are tested.

The Product...process as opposed to using an integrated CASE tool.

j) Does the tools repository support **validation**?

All key characteristics of repository objects (for example, data elements) and their interrelationships should be **validated**. Taking data elements as an example, these characteristics may include.

Naming standards for data element... precision

Data element window display and internal precision.

At a minimum, naming standards must be **validated** to allow better navigation of the repository and easier reuse of elements.

Does the tool...populate the repository.

These technical complexities should, be hidden from designers and programmers by Repository **Validation** and Mass Changes - All key characteristics of data elements, and their inter-relationships, should be **validated**, including.

- * Naming standards for the element name

Naming standards for the variable name associated with... ..Type (for example, numeric and alphanumeric)

Length and precision

Window display and internal precision

Similar **validation** can be performed on other repository objects depending on project standards. At a minimum, naming standards must be **validated**. This helps designers navigate the repository and thereby encourages reuse.

Import and export utilities, which...The tool should be able to cope with the expected volume of change.

g) Is **validation** of data entered into the change request form a consideration? It may be necessary to ensure **validation** would be to ensure that the change is assigned to a valid team to prevent...Considerations

a) Are there any Problem Management tools identified?

Problem Management tools log error information, **generate error reports** (such as System Investigation Reports or SIRs), classify problems, and record information on the source...such as, for example, a signal from a timer function.

17) Does the tool support **validation** of the diagram?

To ensure that a data flow diagram is complete, each process should... ..flow associated with it. The tool should facilitate the identification of exceptions to these general **rules**.

Is a detailed process model with complex processes to be documented?

At the lowest level of a... uncertainty about the product to be used in construction? Prototyping can allow the project team to **validate** the capabilities and characteristics of products which will later be used for development. Many products...boxes, etc.), window styles, (multi-window, multi-document, paned-window), and menu styles, along with **validation** and inter-application communication. Consideration should also be given as to the extensibility of the...and must be built into the requirements.

Assess incidents automatically, based on previous experience and **rules**

Knowledge and case based incident management systems are becoming prevalent in the market place, and... all of the printing done across a distributed environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is... ..applications need to do is obtain the data.

Print Architecture offers.

It provides independence from **printer** devices and languages

It makes it easy to develop and maintain report

'Paper consumption may... ..nat types of printers will be required (e.g., laser, impact, inkjets, etc)? The types of **printers** will be dictated by the business requirements. The types of **printers**, will in turn, determine what tools can be used to manage printing may or may not be required.

Where are the **printers** going to be located?

The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some... ..documents be necessary?

Large print jobs may utilize system resources considerably (e.g., WAN, LAN, **printer**), and may tie up the printing queue for other individuals. This type of printing should be performed in offhours or delayed to avoid contention for the **printer** during business hours.

...and archives the balancing reports for easy auditor review.

Provides a common output spooling and **printer** device control capability across the network.

Provide report reprint capability, avoid reruns in lost report... ..volumes to the resource consumption management facility.

Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** font-translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management...

Claims:

...allowing completion of the forms to reflect the negotiated terms utilizing the network; (e) displaying **rules** and regulations relating to the goods utilizing the network; and (f) initiating payment from the...

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3/3K/3
00814140

A METHOD FOR A VIRTUAL TRADE FINANCIAL FRAMEWORK PROCEDE DESTINE A UN SCHEMA FINANCIER DE COMMERCE VIRTUEL

Patent Applicant/Patent Assignee:

- **ACCENTURE LLP**; 1661 Page Mill Road, Palo Alto, CA 94304
US; US(Residence); US(Nationality)

Legal Representative:

- **HICKMAN Paul L(agent)**

Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024; US;

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Application	WO	2000US35429		20001222
Priorities	US	99470030		19991222
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	US	99470044		19991222

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

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Fulltext word count: 106212

Detailed Description:

...of the present invention in which VTrade operates under applicable Visa Card and international commerce **rules**, with an avenue for dispute resolution via the ICC international. court for arbitration;

Figure 41 illustrates a legal framework when the **rules** are set by the VTrade Enterprise;

Figure 42 depicts the legal responsibilities of VTrade and...Content Areas (DCAs) embedded within the template in accordance with a method of associating a **rule** and content to an interaction;

Figure 102 depicts a ShARE (Selection, Acquisition, Retention, and Extension...issue for VTrade with the roll-out of an inexpensive web-based application Unique Payment **Rules** Introduces a unique hybrid of e-Commerce and Visa Card payment **rules** for quicker dispute resolution for the international trading communityTrade Facilitation Unleashes the power of trade...performed by buyer, down payment turnaround. 80% of trade payment will be faster using VTrade **Rules**.

documents are 'discrepanf'and average Discrepancies will be greatly reduced with order to payment is...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the framework provides.

Call versus...and client-side performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance. Dynamic, real-time Web pages can...Truck BL

ii) Cross commercial shipping documents check

The compliance checking is performed through data **validation** on defined parameters of structured formats for text. Once the compliance engine finds all structured...This is especially important for responding to duties with a actionable deadline

Security components.

Signature/validation: allow the sender to sign its message before sending them and to **validate** its signature

Encryption/decryption of on-line transaction: allow the sender to encrypt the messages...Exchange of third party services on transactions

VTrade should operate under some group of recognized **rules**, preferably **rules** that are I O enforceable in foreign countries. Figure 40 illustrates an embodiment of the present invention in which VTrade operates under applicable Visa Card and international commerce **rules** 4000,4002, with an avenue for dispute resolution via the ICC international court for arbitration.

Figure 41 illustrates a legal framework 4100 when the **rules** are set by the VTrade Enterprise.

These **rules** may apply to both the buyer and seller. All legal contracts outside the VTrade **rules** should also be established between parties.

Figure 42 depicts the legal responsibilities of VTrade 4200...VTrade may provide a forum for buyers and sellers to settle unresolved disputes through VTrade **Rules**. The handling of disputes under Traditional Trade Finance can be governed by **rules** in UCP 500 and URC 522 issued by the International Chamber of Commerce (ICC). Both UCP 500 and URC 522 contain a complex set of **rules** relating the documents in international Trade.

VTrade, may have its own set of **rules** which govern the underlying goods similar to how credit card **rules** for retail transactions. In traditional trade finance, disputes can be settled bringing the case to...law of contracts. Similarly, VTrade can provide a similar avenue of resolving disputes under VTrade **rules**.

Under traditional Trade Finance, the process of refusal of acceptance occurs when the importer refuses...product information

* Efficient, cost effective transaction capability

Information on members and counterparties

Clear and detailed **rules** and policies

Transactions initiated and consummated online

As shown in Figure 55, an cMarket 5500...to complete the forms to reflect the negotiated terms utilizing the network in operation 6608. **Rules** and regulations relating to the goods may also be displayed in operation 6610. In order...which may be offered include.

Payments and trade information

o Regional and product-specific trade **rules** and regulations will be available on-line

* Decision support tools

o Tools will be available ...documents are stored in the database in operation 6708.

The format and the documents in the database may be checked in operation 6710 based on a predetermined set of

rules using a **rule**-based engine. Further, in operation 6712, finds may be released to the seller upon the...the repository.

They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of the... Application teams should include the Information Management team in relevant design discussions. This facilitates the **validation** of design outputs.

Folder Managem

Folders (or directories) can be very useful in gaining control...result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...on business risk

Development of security standards, guidelines and procedures

Implementation of security controls

Security **validation**

Security Requirement Definition

Security requirements are the outcome of the security Risk Assessment. This is... ..developers that these security controls are implemented and adhered to throughout the development process.

Security **Validation**

hi order to ensure the security of the system, periodical security audits should be arranged **validating** data element change requests

0 Creating and modifying data elements

Enforeingprojectstandardsregardingrepositoryobjects

* **Validating** the contents of the repository to avoid redundancy and inconsistencies Ensuring accuracy of the repository... ..must be implemented.

Repository Management can be divided into the following areas.

Security

9 Maintenance

Validation and mass change

Analysis, reporting, and querying

Security

Restricted access to various repository object types...related objects must be locked.

This is the responsibility of the Repository Management team.

Repository **Validation** and Mass Changes

Keeping thousands of data elements consistent and in compliance with project standards... ..the repository.

necessary 1

Detailed,project-specificstandardsshouldexistfordefiningrepositoryobj ects. Thesestandards can form the basis for a repository **validation** program, which can run through the entire repository and report on detected deviations from standards... ..can also enforce the standard.

Mass changes to the repository can be performed when the **validation** reports show the occurrence of many standards violations that follow a common pattern. This may... which the quality verification

process is managed. The V-model ensures that deliverables are verified, **validated**, and tested. It is based on the concept of stage containment (enforcing for a given... Up
The V-model is a framework that promotes stage containment by organizing the verification, **validation**, and testing in and across all the methodology elements throughout the delivery phase of the...environment.

A hardware and systems software acceptance test environment where components from external suppliers are **validated** before the component is accepted into the environment.

One or more separate architecture build and... it may also be applied to the management of design problems detected during verification or **validation** steps. Problem Management is a crucial process in the system development life cycle. It ensures... deals with what the system must do, design addresses how the system will be constructed. **Validating** that the design actually meets the requirements for functionality, performance, reliability, and usability is, essential...technical issues

Which tools to use and how to use them

How to perform design **validation**

0 When and how to initiate and perform functional and technical design reviews

How to ...work is performed manually: one person studies thick listings to understand data layouts and processing **rules**. The person gradually builds a higher-level understanding of how the components work and interact...guidelines

Shell usage guidelines

Tools usage guidelines

- 125

Test (8136)

System test is performed to **validate** that the gathering and transformation of information is complete and correct.

As automation progresses and...RTP. It describes the framework for the testing process, or the V-model of verification, **validation**, and testing.

- 128

b) Are program specifications being tested?

The following is an overview of the component test as documented by RTP. It describes the testing methods used to **validate** the detailed design stage where program specifications are tested.

Component Test - A component test is... of the assembly test as documented by RTP. It describes the testing methods used to **validate** the technical design stage where system designs are tested.

Assembly Test - The assembly test tests...the benefits realization test as documented by RTP. It describes the testing methods used to **validate** the business case stage where benefits, costs, and other intangibles are tested.

Benefits Realization Test... operational readiness test as documented by the RTP. It describes the testing methods used to **validate** the requirement/definition stage where quality, technical and functional/user requirements are tested.

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j) Does the tools repository support **validation**?

is All key characteristics of repository objects (for example, data elements) and their interrelationships should be **validated**. Taking data elements as an example, these characteristics may include.

Naming standards for data element... 153 Data element window display and internal precision.

At a minimum, naming standards must be **validated** to allow better navigation of the repository and easier reuse of elements.

Does the tool provide...the parsers, or by having the repository administrator trigger the parsing at regular intervals.

Repository **Validation** and Mass Changes - All key characteristics of data elements, and their inter-relationships, should be **validated**, including.

9 Naming standards for the element name

Naming standards for the variable name associated... Type (for example, numeric and alphanumeric)

Length and precision

Window display and internal precision

Similar **validation** can be performed on other repository objects depending on project standards. At a minimum, naming standards must be **validated**. This helps designers navigate the repository and thereby encourages reuse.

Import and export utilities, which...The tool should be able to cope with the expected volume of change.

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Problem Management tools log error information, **generate error reports** (such as System Investigation Reports or SIRs), classify problems, and record information on the source...such as, for example, a signal from a timer function.

h) Does the tool support **validation** of the diagram?

To ensure that a data flow diagram is complete, each process should...flow associated with it. The tool should facilitate the identification of exceptions to these general **rules**.

- 201

i) Is a detailed process model with complex processes to be documented?

At the lowest...about the product to be used in construction? Prototyping can allow the project team to **validate** the capabilities and characteristics of products which will later be used for development. Many products...boxes, etc.), window styles, (multi-window, multi-document, paned-window), and menu styles, along with **validation** and inter-application communication. Consideration should also be given as to the extensibility of the...

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3/3K/4

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SYSTEM BUILDING
TECHNIQUES IN A DEVELOPMENT ARCHITECTURE FRAMEWORK**
**SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A DES TECHNIQUES DE
CONSTRUCTION DE SYSTEME DANS UNE ARCHITECTURE D'ELABORATION**

Patent Applicant/Patent Assignee:

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US; US(Residence); US(Nationality)

Legal Representative:

- **HICKMAN Paul L(agent)**
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90067-3024; US;

	Country	Number	Kind	Date
Patent	WO	200116789	A2-A3	20010308
Application	WO	2000US24312		20000831
Priorities	US	99386619		19990831

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[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
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Language

Publication Language: English

Filing Language: English

Fulltext word count: 69325

Detailed Description:

...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the framework provides.

Call versus of client-side **validation**, offloading appropriate processing onto the client for improved

performance. -Dynamic, real-time Web pages can...the repository.

They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of the... ..Application teams should include the Information Management team in relevant design discussions. This facilitates the **validation** of design outputs.

Folder Management

Folders (or directories) can be very useful in gaining control...result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...business risk

Development of security standards, guidelines and procedures

Implementation of security controls

0 Security **validation**

Security Requirement Definition

Security requirements are the outcome of the security Risk Assessment. This is... ..developers that these security controls are implemented and adhered to throughout the development process.

Security Validation

In order to ensure the security of the system, periodical security audits should be arranged...

...Management includes activities such as.

Monitoring and controlling update activities in the repository

Receiving and **validating** data element change requests

0 Creating and modifying data elements

Enforcing project standards regarding repository objects

Validating the contents of the repository to avoid redundancy and inconsistencies Ensuring accuracy of the repository...must be implemented.

Repository Management can be divided into the following areas.

Security

0 Maintenance

Validation and mass change

Analysis, reporting, and querying

33

Security

Restricted access to various repository object... ..related objects must be locked.

This is the responsibility of the Repository Management team.

Repository **Validation** and Mass Changes

Keeping thousands of data elements consistent and in compliance with project standards... ..should exist for defining repository objects. These standards can form the basis for a repository **validation** program, which can run through the entire repository and report on detected deviations from standards... ..can also enforce the standard.

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The Product...as opposed to using an integrated CASE tool.

92

j) Does the tools repository support **validation**?

All key characteristics of repository objects (for example, data elements) and their interrelationships should be **validated**. Taking data elements as an example, these characteristics may include.

Naming standards for data element... precision

* Data element window display and internal precision.

At a minimum, naming standards must be **validated** to allow better navigation of the repository and easier reuse of elements.

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Repository **Validation** and Mass Changes - All key characteristics of data elements, and their inter-relationships, should be **validated**, including.

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Naming standards for the variable name associated... for example, numeric and alphanumeric)

Length and precision

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g) Is **validation** of data entered into the change request form a consideration? It may be necessary to ensure ... development team is inexperienced or if the project is particularly complex. An example of data **validation** would be to ensure that the change is assigned to a valid team to prevent... Considerations

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To ensure that a data flow diagram is complete, each process should... flow associated with it. The tool should facilitate the identification of exceptions to these general **rules**.

i) Is a detailed process model with complex processes to be documented?

At the lowest level... uncertainty about the product to be used in construction? Prototyping can allow the project team to **validate** the capabilities and characteristics of products which will later be used for development. Many products... boxes, etc.), window styles, (multi-window, multi-document, paned-window), and menu styles, along with **validation** and inter-application communication. Consideration should also be given as to the extensibility of the... must be built into the requirements.

193

Assess incidents automatically, based on previous experience and **rules**

Knowledge and case based incident management systems are becoming prevalent in the market place, and... all of the printing done across a distributed environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is... applications need to do is obtain the data.

Print Architecture offers.

It provides independence from **printer** devices and languages

It makes it easy to develop and maintain report

Paper consumption may... What types of printers will be required (e.g., laser, impact, inkjets, etc)? The types of **printers** will be dictated by the business requirements. The types of **printers**, will in turn, determine what tools can be used to manage printing may or may not be required.

200

Where are the **printers** going to be located?

The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some... documents be necessary?

Large print jobs may utilize system resources considerably (e.g., WAN, LAN, **printer**), and may tie up the printing queue for other individuals. This type of printing should be performed in offhours or delayed to avoid contention for the **printer** during business hours.

What are some limitations that may be encountered?

In a distributed environment... and archives the balancing reports for easy auditor review.

* Provides a common output spooling and **printer** device control capability across the network.

Provide report reprint capability, avoid reruns in lost report... volumes to the resource consumption management facility.

Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** format translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management issues... registered within the inventory system and that detailed information for registered assets is updated and **validated** throughout the assets lifetime.

This information will be required for such activities as managing... ability to measure CPU and disk utilization, memory occupancy, transaction response time, reports (storage & distribution), **printers**, network utilization and performance, circuit utilization, backup facilities, WAN / LAN utilization..

* Instance level tuning and... cause positive things to take place (e.g., better system performance, improved operability, etc.)

Product **Validation**

Product **Validation** tests potential hardware and software for the distributed environment prior to procurement to determine how well a product will fulfill the requirements identified. Product **Validation** also ensures that the implementation of a new product will not adversely affect the existing... There are many configuration variants in the distributed environment, a single test environment for the **validation** becomes difficult to achieve and multiple test environments may be required.

Release Tgs@

Release Testing...

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00784133

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MANAGING
INFORMATION IN A DEVELOPMENT ARCHITECTURE FRAMEWORK**
SYSTEME, PROCEDE ET ARTICLE FABRIQUE PERMETTANT DE GERER UNE
INFORMATION DANS UNE OSSATURE D'ARCHITECTURE DE DEVELOPPEMENT

Patent Applicant/Patent Assignee:

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US; US(Residence); US(Nationality)

Legal Representative:

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	Country	Number	Kind	Date
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Application	WO	2000US24153		20000831
Priorities	US	99386891		19990831

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[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

Filing Language: English

Fulltext word count: 68822

Detailed Description:

...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the framework provides.

Call versus... and client-side performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance. Dynamic, real-time Web pages can...the repository.

They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of the... Application teams should include the Information Management team in relevant design discussions. This facilitates the **validation** of design outputs.

Folder Management

Folders (or directories) can be very useful in gaining control...result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...business risk

Development of security standards, guidelines and procedures

Implementation of security controls

0 Security **validation**

Security Requirement Definition

Security requirements are the outcome of the security Risk Assessment. This is... developers that these security controls are implemented and adhered to throughout the development process.

Security **Validation**

In order to ensure the security of the system, periodical security audits should be arranged... includes activities such as.

Monitoring and controlling update activities in the repository

- o Receiving and **validating** data element change requests

- o Creating and modifying data elements

- o Enforcing project standards regarding repository objects

- o **Validating** the contents of the repository to avoid redundancy and inconsistencies o Ensuring accuracy of the... must be implemented.

Repository Management can be divided into the following areas.

Security

0 Maintenance

Validation and mass change

Analysis, reporting, and querying

33

Security

Restricted ... related objects must be locked.

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Repository **Validation** and Mass Changes

Keeping thousands of data elements consistent and in compliance with project standards... should

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00784130

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MANAGING AN ENVIRONMENT OF A DEVELOPMENT ARCHITECTURE FRAMEWORK
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR LA GESTION D'UN ENVIRONNEMENT DE CADRICIEL D'ARCHITECTURE DE DEVELOPPEMENT

Patent Applicant/Patent Assignee:

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Patent	WO	200116721	A2-A3	20010308
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Priorities	US	99387651		19990831

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74

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The Product...as opposed to using an integrated CASE tool.

92

j) Does the tools repository support **validation**?

All key characteristics of repository objects (for example, data elements) and their interrelationships should be **validated**. Taking data elements as an example, these characteristics may include.

Naming standards for data element... 0 Data element window display and internal precision.

At a minimum, naming standards must be **validated** to allow better navigation of the repository and easier reuse of elements.

Does the tool...the parsers, or by having the repository administrator trigger the parsing at regular intervals.

Repository **Validation** and Mass Changes - All key characteristics of data elements, and their inter-relationships, should be **validated**, including.

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Naming standards for the variable name associated... for example, numeric and alphanumeric)

Length and precision

96

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Similar **validation** can be performed on other repository objects depending on project standards. At a minimum, naming standards must be **validated**. This helps designers navigate the repository and thereby encourages reuse.

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Assess incidents automatically, based on previous experience and **rules**

Knowledge and case based incident management systems are becoming prevalent in the market place, and...all of the printing done across a distributed environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is...
...applications need to do is obtain the data.

Print Architecture offers.

It provides independence from **printer** devices and languages

It makes it easy to develop and maintain report

Paper consumption may... What types of printers will be required (e.g., laser, impact, inkjets, etc.)?

The types of **printers** will be dictated by the business requirements. The types of **printers**, will in turn, determine what tools can be used to manage printing may or may not be required.

200

Where are the **printers** going to be located?

The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some... documents be necessary?

Large print jobs may utilize system resources considerably (e.g., WAN, LAN, **printer**), and may tie up the printing queue for other individuals. This type of printing should be performed in offhours or delayed to avoid contention for the **printer** during business hours.

What are some limitations that may be encountered?

In a distributed environment... archives the balancing reports for easy auditor review.

0 Provides a common output spooling and **printer** device control capability across the network.

Provide report reprint capability, avoid reruns in lost report... to the resource consumption management facility.

Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** format translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management issues... registered within the inventory system and that detailed information for registered assets is updated and **validated** throughout the assets lifetime.

This information will be required for such activities as managing service...ability to measure CPU and disk utilization, memory occupancy, transaction response time, reports (storage & distribution), **printers**, network utilization and performance, circuit utilization, backup facilities, WAN / LAN utilization..

0 Instance level tuning... ..cause positive things to take place (e.g., better system performance, improved operability, etc.)

Product Validation

Product **Validation** tests potential hardware and software for the distributed environment prior to procurement to determine how well a product will fulfill the requirements identified. Product **Validation** also ensures that the implementation of a new product will not adversely affect the existing...are many configuration variants in the distributed environment, a single test environment for the **validation** becomes difficult to achieve and multiple test environments may be required.

Release Taging

Release Testing...

DIALOG(R)File 349: PCT FULLTEXT

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00761432

METHODS, CONCEPTS AND TECHNOLOGY FOR DYNAMIC COMPARISON OF PRODUCT FEATURES AND CUSTOMER PROFILE

PROCEDES, CONCEPTS ET TECHNIQUE DE COMPARAISON DYNAMIQUE DE CARACTERISTIQUES D'UN PRODUIT ET DU PROFIL DES CONSOMMATEURS

Patent Applicant/Patent Assignee:

- **ACCENTURE LLP**; 100 South Wacker Drive, Chicago, IL 60606
US; US(Residence); US(Nationality)

Legal Representative: .

- **BRUESS Steven C(agent)**
Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903; US;

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Patent	WO	200073958	A2	20001207
Application	WO	2000US14459		20000524
Priorities	US	99320818		19990527

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
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[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
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[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

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Fulltext word count: 151011

Detailed Description:

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I 0...and client-side performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance. Dynamic, real-time Web pages can...the repository. They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of

45... Application teams should include the Information Management team in relevant design discussions.

This facilitates the **validation** of design outputs.

Folder Managemen

Folders (or directories) can be very useful in gaining control...result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...on business risk

Development of security standards, guidelines and procedures

Implementation of security controls

Security **validation**

Security Requirement Definition

Security requirements are the outcome of the security Risk Assessment. This is...developers that these security controls are implemented and adhered to throughout the development process.

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In order to ensure the security of the system, periodical security audits should be arranged ...
...Management includes activities such as.

Monitoring and controlling update activities in the repository
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Validating the contents of the repository to avoid redundancy and inconsistencies
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Repository Management can be divided into the following areas.

Security

Maintenance

Validation and mass change

Analysis, reporting, and querying

Security

Restricted access to various repository object types...related objects must be locked. This is the responsibility of the Repository Management team.

Repository **Validation** and Mass Changes

Keeping thousands of data elements consistent and in compliance with project standards requires...
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These standards can form the basis for a repository **validation** program, which can run through the entire repository and report on detected deviations from standards... can also enforce the standard.

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Claims:

...Analysis W P-rf-rm---l FR

rvauauw. 111011119 MMI Singing SLO" BM F- - Rulea & PolicyCornmWit'Nata Management L-!1r=1b"S9M1911C0:Figure I PCore Commerce Capabilities -

Infrastructure...13421314Distribu@onFile Transfer -71332 Even't/6 atePerformance Management Product Validation ArchivingGenerationSecurity Managementsystem Startupand Shutdown

Physical Site ManagementRelease TesUngNetwork...FRAMEWORK 3304PASSIVELY

MANAGING USER PROFILE INFORMATION OVER THE 3306NETWORK FRAMEWORK1426

Figure 33VALIDATING USER PROFILE DATA IN A SYSTEMMANAGING THE USER PROFILE DATA IN THE SYSTEMSTORING... COMMUNITY PROFILE DATA TO A

COMMUNITY INCLUDING APLURALITY OF USERS IN THE SYSTEM

3410VALIDATING COMMUNITY PROFILE DATA IN THE SYSTEM 3412MANAGING THE COMMUNITY PROFILE DATA IN THE SYSTEM... DATA IN A

SYSTEM3502ANALYZING DATA FROM LOG FILES IN THE SYSTEM3504MANAGING

RULES AND POLICIES IN THE SYSTEMAUDITING USAGE IN THE SYSTEM

1350350BILLING FOR THE...

DIALOG(R)File 349: PCT FULLTEXT

**A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING
COMMERCE-RELATED WEB APPLICATION SERVICES**
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE
SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE

Patent Applicant/Patent Assignee:

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	Country	Number	Kind	Date
Patent	WO	200073957	A2-A3	20001207
Application	WO	2000US14420		20000525
Priorities	US	99321492		19990527

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

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Uftw

LViOnuori Rules A Policy r-WWROliamr-19 Gl@@j !:"uonCy SFigure 1

LARRANGING...of other networks 0 Supports Data Access Adapter capabilitiesFilters network traffic based on security rules[3 Provides aWum notification of attacks E Provides adapter or machanism to transfer transactional Provides...NETWORK FRAMEWORK3306PASSIVELY MANAGING USER PROFILE INFORMATION OVER THENETWORK FRAMEWORK1426 Figure 33VALIDATING USER PROFILE DATA IN A SYSTEM3402MANAGING THE USER PROFILE DATA IN THE SYSTEM... COMMUNITY PROFILE DATA TO A COMMUNITY INCLUDING APLURALITY OF USERS IN THE SYSTEM 3410VALIDATING COMMUNITY PROFILE DATA IN THE SYSTEM 341MANAGING THE COMMUNITY PROFILE DATA IN THE SYSTEM... DATA IN A SYSTEM3502ANALYZING DATA FROM LOG FILES IN THE SYSTEM3504MANAGING RULES AND POLICIES IN THE SYSTEMAUDITING USAGE IN THE SYSTEM 3506BILLING FOR THE USAGE...

DIALOG(R)File 349: PCT FULLTEXT
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3/3K/9
00761430

**SYSTEM, METHOD AND COMPUTER PROGRAM FOR REPRESENTING PRIORITY
INFORMATION CONCERNING COMPONENTS OF A SYSTEM**
SYSTEME, METHODE ET ARTICLE FABRIQUE PERMETTANT DE CLASSER PAR ORDRE DE
PRIORITE DES COMPOSANTS D'UNE STRUCTURE DE RESEAU NECESSAIRES A LA MISE
EN OEUVRE D'UNE TECHNIQUE

Patent Applicant/Patent Assignee:

- **ANDERSEN CONSULTING LLP**; 100 South Wacker Drive, Chicago, IL 60606
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Patent	WO	200073956	A2-A3	20001207
Application	WO	2000US14406		20000524
Priorities	US	99321274		19990527

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

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How to perform design **validation**

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Shell usage guidelines

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Test (136)

System test is performed to **validate** that the gathering and transformation of information is complete and correct.

As automation progresses and... ..RTP. It describes the framework for the testing process, or the V-model of verification, **validation**, and testing.

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Benefits Realization Test...operational readiness test as documented by the RTP. It describes the testing methods used to **validate** the requirement/definition stage where quality, technical and functional/user requirements are

82

tested.

The...process as opposed to using an integrated CASE tool.

fi Does the tools repository support **validation**?

All key characteristics of repository objects (for example, data elements) and their inter-relationships should be **validated**. Taking data elements as an example, these characteristics may include.

0 Naming standards for data... ..precision

Data element window display and internal precision.

At a minimum, naming standards must be **validated** to allow better navigation of the repository and easier reuse of elements.

Does the tool provide...the parsers, or by having the repository administrator trigger the parsing at regular intervals.

" Repository **Validation** and Mass Changes - All key characteristics of data elements, and their inter-relationships, should be **validated**, including.

Naming standards for the element name

Naming standards for the variable name associated with... ..for example, numeric and alphanumeric)

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Similar **validation** can be performed on other repository objects depending on

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Import and export utilities, which...The tool should be able to cope with the expected volume of change.

g) Is **validation** of data entered into the change request form a consideration? It may be necessary to ensure... development team is inexperienced or if the project is particularly complex. An example of data **validation** would be to ensure that the change is assigned to a valid team to prevent... Considerations

a) Are there any Problem Management tools identified?

Problem Management tools log error information, **generate error reports** (such as System Investigation Reports or SIRs), classify problems, and record information on the source... such as, for example, a signal from a timer function.

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To ensure that a data flow diagram is complete, each process should... flow associated with it. The tool should facilitate the identification of exceptions to these general **rules**.

i) Is a detailed process model with complex processes to be documented?

At the lowest level... about the product to be used in construction?

Prototyping can allow the project team to **validate** the capabilities and characteristics of products which will later be used for development. Many products... 15 window styles, (multi-window, multi-document, paned-window), and menu styles, along with **validation** and inter-application communication. Consideration should also be given as to the extensibility of the... and must be built into the requirements.

Assess incidents automatically, based on previous experience and **rules**

Knowledge and case based incident management systems are becoming prevalent in the market place, and... all of the printing done across a distributed

environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is... applications need to do is obtain the data.

Print Architecture offers.

It provides independence from **printer** devices and languages

It makes it easy to develop and maintain report

Paper consumption may... What types of printers will be required (e.g., laser, impact, inkjets, etc)? The types of **printers** will be dictated by the business requirements. The types of **printers**, will in turn, determine what tools can be used to manage printing may or may not be required.

Where are the **printers** going to be located?

The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some... documents be necessary?

Large print jobs may utilize system resources considerably (e.g., WAN, LAN, **printer**), and may tie up the printing queue for other individuals. This type of printing should be performed in off-hours or delayed to avoid contention for the **printer** during business hours.

What are some limitations that may be encountered?

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Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** format translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management issues...

Claims:

...NETWORK FRAMEWORK

3306 PASSIVELY MANAGING USER PROFILE INFORMATION OVER THE NETWORK
FRAMEWORK 1426 Figure 33 VALIDATING USER PROFILE DATA IN A
SYSTEM MANAGING THE USER PROFILE DATA IN THE SYSTEM... COMMUNITY
PROFILE DATA TO A COMMUNITY INCLUDING A PLURALITY OF USERS IN THE SYSTEM
3410 VALIDATING COMMUNITY PROFILE DATA IN THE SYSTEM 341 MANAGING
THE COMMUNITY PROFILE DATA IN THE SYSTEM... IN A SYSTEM 35003502 ANALYZING
DATA FROM LOG FILES IN THE SYSTEM 3504 MANAGING RULES AND POLICIES
IN THE SYSTEM 3506 BILLING FOR THE...

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3/3K/10
00761429

**METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM
CAPABLE OF ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A
PRODUCT OR SERVICE BASED ON SUCH ASSESSED NEEDS**
PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE
D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN
SERVICE SUR LA BASE DE CES BESOINS

Patent Applicant/Patent Assignee:

- **ACCENTURE LLP**; 100 South Wacker Drive, Chicago, IL 60606
US; US(Residence); US(Nationality)

Legal Representative:

- **BRUESS Steven C(agent)**
Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903; US;

	Country	Number	Kind	Date
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Patent	WO	200073955	A2	20001207
Application	WO	2000US14357		20000524
Priorities	US	99321495		19990527

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

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[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

Filing Language: English

Fulltext word count: 148469

Detailed Description:

...1.8 transactions. Businessl echeck server verifies digital signatures, processes checks according to the business **rules** of the bank (e.g. a check over \$25,000 requires two signatures), returns invalid...suite of tools for administering distributed systems and managing user accounts, hosts, groups, administrative data, **printer**, file system, disk and serial ports.

Product5 j Software- browser-based graphical administration tool that...the Internet. Se] JerProduct I allows for the enforcement of trading partner agreements and business **rules**. SellerProductl provides the capability to create company-specific catalogs which can be set up to...order management system, and rapid customzation of a site's business processes through modifiable business **rules** and presentation templates.

Search capabilities, including hierarchical menus, parametric searches by attribute, and simple keyword...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the

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0 performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance.

Dynamic, real-time Web pages can...the repository. They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of the... Application teams should include the Information Management team in relevant design discussions.

This facilitates the **validation** of design outputs.

Folder Management

Folders (or directories) can be very useful in gaining control...result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...business risk

Development of security standards, guidelines and procedures

Implementation of security controls

0 Security **validation**

Security Requirement Definition

Security requirements are the outcome of the security Risk Assessment. This is... developers that these security controls are implemented and adhered to throughout the development process.

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Repository Management can be divided into the following areas.

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Maintenance

Validation and mass change

Analysis, reporting, and querying

Security

Restricted access to various repository object types... related objects must be locked. This is the responsibility of the Repository Management team.

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Keeping thousands of data elements consistent and in compliance with project standards... should exist for defining repository objects.

These standards can form the basis for a repository **validation** program, which can run

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Mass changes to the repository can be performed when the **validation** reports show the occurrence of many standards violations that follow a common pattern. This may... which the quality verification process is managed. The V-model ensures that deliverables are verified, **validated**, and tested. It is based on the concept of stage containment (enforcing for a given... Up ,

The V-model is a framework that promotes stage containment by organizing the verification, **validation**, and testing in and across all the methodology elements throughout the delivery phase of the...and systems software acceptance test environment where

I/O components from external suppliers are **validated** before the component is accepted into the environment.

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Paper consumption may... ..What types of printers will be required (e.g., laser, impact, inkjets, etc.)? The types of **printers** will be dictated by the business requirements. The types of **printers**, will in turn, determine what tools can be used to manage printing may or may not be required.

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Provide report reprint capability, avoid reruns in lost report... ..volumes to the resource consumption management facility.

Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** format translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management issues...

Claims:

...V V

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INFORMATION OVER THENETWORK FRAMEWORK1426 Figure 33olAn

VALIDATING USER PROFILE DATA IN A SYSTEM02MANAGING THE USER

PROFILE DATA IN THE SYSTEM... ..COMMUNITY PROFILE DATA TO A COMMUNITY

INCLUDING APLURALITY OF USERS IN THE SYSTEM 3410VALIDATING

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3/3K/11
00761424

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE

Patent Applicant/Patent Assignee:

- **ACCENTURE LLP**; 100 South Wacker Drive, Chicago, IL 60606
US; US(Residence); US(Nationality)

Legal Representative:

- **BRUESS Steven C(agent)**
Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903; US;

	Country	Number	Kind	Date
Patent	WO	200073930	A2	20001207
Application	WO	2000US14458		20000524
Priorities	US	99321360		19990527

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

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Language

Publication Language: English

Filing Language: English

Fulltext word count: 149456

Detailed Description:

...8 transactions. Business I echeck server verifies digital signatures, processes checks according to the business **rules** of the bank (e.g. a check over \$25,000 requires two signatures), returns invalid...suite of tools for administering distributed systems and managing user accounts, hosts, groups, administrative data, **printer**, file system, disk and serial ports.

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Search capabilities, including hierarchical menus, parametric searches by attribute, and simple keyword...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the framework provides.

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Call... ..created, and clientside performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance.

Dynamic, real-time Web pages can...the repository. They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of the... ..Application teams should include the Information Management team in relevant design discussions.

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In order to ensure the security of the system, periodical security audits should be arranged...
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Claims:

...W; AW@=Wn W @WWatW@
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LARRANGINGEACHOF THEPRIMARYCOMPONENTS-OF THESYSTEMFOR DISPLAY...Process
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USER PROFILE INFORMATION OVER THENETWORK FRAMEWORK1426 Figure
33VALIDATING USER PROFILE DATA IN A SYSTEM3402MANAGING THE USER
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3/3K/12
00761423

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR EFFECTIVELY CONVEYING WHICH COMPONENTS OF A SYSTEM ARE REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ACHEMINEMENT EFFICACE
DES COMPOSANTS D'UN SYSTEME NECESSAIRES A LA MISE EN PRATIQUE D'UNE
TECHNOLOGIE

Patent Applicant/Patent Assignee:

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	Country	Number	Kind	Date
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Application	WO	2000US14457		20000524

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

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[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

Publication Language: English

Filing Language: English

Fulltext word count: 150133

Detailed Description:

...8 transactions. Business I echeck server verifies digital signatures, processes checks according to the business **rules** of the bank (e.g. a check over \$25,000 requires two signatures), returns invalid... suite of tools for administering distributed systems and managing user accounts, hosts, groups, administrative data, **printer**, file system, disk and serial ports.

Product5 j Software- browser-based graphical administration tool that...selling over the Internet. SellerProductl allows for the enforcement of trading partner agreements and business **rules**. SellerProductl provides the capability to create company-specific catalogs which can be set up to... order management system, and rapid customzation of a site's business processes through modifiable business **rules** and presentation templates.

Search capabilities, including hierarchical menus, parametric searches by attribute, and simple keyword...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the
35
framework provides.

0... created, and clientside performance is improved. Unlike HTML, Java supports the notion of client-side **validation**, offloading appropriate processing onto the client for improved performance.

Dynamic, real-time Web pages can...the repository. They need to have an intimate understanding of the repository structure and the **rules** that govern how different objects should be stored in the repository. Although most of the... ..Application teams should include the Information Management team in relevant design discussions.

This facilitates the **validation** of design outputs.

Folder Management

Folders (or directories) can be very useful in gaining control...result from the testing process and the management of design problems detected during verification or **validation** steps throughout the development process.

The Problem Management team is responsible for defining the problem...on business risk

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Implementation of security controls

Security **validation**

Security Requirement Definition

Security requirements are the outcome of the security Risk Assessment. This is...developers that these security controls are implemented and adhered to throughout the development process.

Security **Validation**

In order to ensure the security of the system, periodical security audits should be arranged...

...Management includes activities such as.

Monitoring and controlling update activities in the repository

Receiving and **validating** data element change requests

Creating and modifying data elements

Enforcing project standards regarding repository objects

Validating the contents of the repository to avoid redundancy and inconsistencies

" Ensuring accuracy of the repository... ..processes must be implemented.

Repository Management can be divided into the following areas.

Security

Maintenance

Validation and mass change

Analysis, reporting, and querying

Security

Restricted access to various repository object types...related objects must be locked. This is the responsibility of the Repository Management team.

Repository **Validation** and Mass Changes

Keeping thousands of data elements consistent and in compliance with project standards... ..should exist for defining repository objects.

These standards can form the basis for a repository **validation** program, which can run

52

through the entire repository and report on detected deviations from... ..can also enforce the standard.

Mass changes to the repository can be performed when the **validation** reports show the occurrence of

many standards violations that follow a common pattern. This may... which the quality verification process is managed. The V-model ensures that deliverables are verified, **validated**, and tested. It is based on the concept of stage containment (enforcing for a given the verification, **validation**, and testing in and across all the methodology elements throughout the delivery phase of the... environment.

* A hardware and systems software acceptance test environment where components from external suppliers are **validated** before the component is accepted into the environment.

" One or more separate architecture build and... it may also be applied to the management of design problems detected during verification or **validation** steps. Problem Management is a crucial process in the system development life cycle. It ensures... deals with what the system must do, design addresses how the system will be constructed. **Validating** that the design actually meets the requirements for functionality, performance, reliability, and usability is essential...technical issues

Which tools to use and how to use them

How to perform design **validation**

When and how to initiate and perform functional and technical design reviews

4' How to ... work is performed manually: one person studies thick listings to understand data layouts and processing **rules**. The person gradually builds a higher-level understanding of how the components work and interact... Usability guidelines

Shell usage guidelines

Tools usage guidelines

Test (136)

System test is performed to **validate** that the gathering and transformation of information is complete and correct.

As automation progresses... RTP. It describes the framework for the testing process, or the V-model of verification, **validation**, and testing.

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The following is an overview of the component test as documented by RTP. It describes the testing methods used to **validate** the detailed design stage where program specifications are tested.

0 Component Test - A component test... of the assembly test as documented by RTP. It describes the testing methods used to **validate** the technical design stage where system designs are tested.

Assembly Test - The assembly test tests...the benefits realization test as documented by RTP.

It describes the testing methods used to **validate** the business case stage where benefits, costs, and other intangibles are tested.

" Benefits Realization Test... operational readiness test as documented by the RTP. It describes the testing methods used to **validate** the requirement/definition stage where quality, technical and functional user requirements are

82

tested.

The Product...process as opposed to using an integrated CASE tool.

j) Does the tools repository support **validation**?

All key characteristics of repository objects (for example, data elements) and their inter-relationships should be **validated**. Taking data elements as an example, these characteristics may include.

Naming standards for data element... precision
Data element window display and internal precision.

At a minimum, naming standards must be **validated** to allow better navigation of the repository and easier reuse of elements.

Does the tool provide... the parsing at regular intervals.

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Similar **validation** can be performed on other repository objects depending on

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a) Are there any Problem Management tools identified?

Problem Management tools log error information, **generate error reports** (such as System Investigation Reports or SIRs), classify problems, and record information on the source... such as, for example, a signal from a timer function.

h) Does the tool support **validation** of the diagram?

To ensure that a data flow diagram is complete, each process should... flow associated with it. The tool should facilitate the identification of exceptions to these general **rules**.

i) Is a detailed process model with complex processes to be documented?

At the lowest level... about the product to be used in construction?

Prototyping can allow the project team to **validate** the capabilities and characteristics of products which will later be used for development. Many products... 15 window styles, (multi-window, multi-document, paned-window), and menu styles, along with **validation** and inter-application communication. Consideration should also be given as to the extensibility of the... and must be built into the requirements.

Assess incidents automatically, based on previous experience and **rules**

Knowledge and case based incident management systems are becoming prevalent in the market place, and... all of the printing done across a distributed environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is... applications need to do is obtain the data.

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Paper consumption may... What types of printers will be required (e.g., laser, impact, inkjets, etc)? The types of **printers** will be dictated by the business requirements. The types of **printers**, will in turn, determine what tools can be used to manage printing may or may not be required.

Where are the **printers** going to be located?

The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some utilize system resources considerably (e.g., WAN, LAN, **printer**), and may tie up the printing queue for other individuals. This type of printing should be performed in off-hours or delayed to avoid contention for the **printer** during business hours.

What are some limitations that may be encountered?

In a distributed environment... the balancing reports for easy

180

auditor review.

0 Provides a common output spooling and **printer** device control capability across the network.

0 Provide report reprint capability, avoid reruns in lost... volumes to the resource consumption management facility.

Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** format translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management issues...

Claims:

...Application @WebApplwMzt roles to communities Capabilities on 'oring" fCospabilities Capabilities Staging Debugging US

-Rules & F-cli@yManagement887 Network Monagement

C2p8bi lites('z;nrs.Community Data training, service... NETWORK FRAMEWORK3306PASSIVELY MANAGING USER PROFILE INFORMATION OVER THENETWORK FRAMEWORK1426 Figure 33VALIDATING USER PROFILE DATA IN A SYSTEM4MANAGING THE USER PROFILE DATA IN THE SYSTEM... PROFILE DATA TO A COMMUNITY INCLUDING APLURALITY OF USERS IN THE SYSTEM 34103412VALIDATING COMMUNITY PROFILE DATA IN THE SYSTEMMANAGING THE COMMUNITY PROFILE DATA IN THE SYSTEM 3414... DAYA IN A SYSTEM3502ANALYZING DATA FROM LOG FILES IN THE SYSTEM3504MANAGING RULES AND POLICIES IN THE SYSTEMIAUDITING USAGE IN THE SYSTEM 3506BILLING FOR THE...

DIALOG(R)File 349: PCT FULLTEXT
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3/3K/13
00761422

BUSINESS ALLIANCE IDENTIFICATION
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR L'IDENTIFICATION
D'ALLIANCES COMMERCIALES DANS UN CADRE D'ARCHITECTURE RESEAU

Patent Applicant/Patent Assignee:

- **ACCENTURE LLP**; 100 South Wacker Drive, Chicago, IL 60606
US; US(Residence); US(Nationality)

Legal Representative:

- **BRUESS Steven C(agent)**
Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., P.O. Box 2903, Minneapolis, MN
55402-0903; US;

	Country	Number	Kind	Date
Patent	WO	200073928	A2-A3	20001207
Application	WO	2000US14375		20000524
Priorities	US	99320816		19990527

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
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Language

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Detailed Description:

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The V-model is a framework that promotes stage containment by organizing the verification, **validation**, and testing in and across all the methodology elements throughout the delivery phase of the... and systems software acceptance test environment where

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The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some... documents be necessary?

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What are some limitations that may be encountered?

In a distributed environment... archives the balancing reports for easy auditor review.

0 Provides a common output spooling and **printer** device control capability across the network.

Provide report ...volumes to the resource consumption management facility.

Does the tool provide support for specific areas?

Support multiple **printer** types as well as report delivery across them. This includes **printer** font translation (PCL, Postscript, etc..) and code translation.

Any other specific functional requirements?

Output management issues...

Claims:

...g Cspabilili Capabilit liesP Staginliq tion Debugging UI

itI VV,b App. Ad,,!7 Rules 9 id Inasup Plool It store.munlofte manage Cripaingitss mice)Cam ty)ala 7nct...NETWORK FRAMEWORKPASSIVELY MANAGING USER PROFILE

INFORMATION OVER THE 3306NETWORK FRAMEWORK1426 Figure

33VALIDATING USER PROFILE DATA IN A SYSTEM34 2MANAGING THE USER PROFILE DATA IN THE... COMMUNITY PROFILE DATA TO A COMMUNITY INCLUDING

APLURALITY OF USERS IN THE SYSTEM 3410VALIDATING COMMUNITY

PROFILE DATA IN THE SYSTEM 3412MANAGING THE COMMUNITY PROFILE DATA IN THE SYSTEM... THE SYSTEM1428Figure 34ANALYZING DATA FROM LOG FILES IN THE

SYSTEM3504MANAGING RULES AND POLICIES IN THE SYSTEMAUDITING USAGE IN THE SYSTEM 3503 0BILLING FOR...

DIALOG(R)File 349: PCT FULLTEXT

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3/3K/14

00456834

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY COMMUNICATION

SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR RESEAU COMMUTE

Patent Applicant/Patent Assignee:

- MCI WORLDCOM INC;

	Country	Number	Kind	Date
Patent	WO	9847298	A2	19981022
Application	WO	98US7927		19980415
Priorities	US	97835789		19970415
	US	97834320		19970415

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Language

Publication Language: English

Filing Language:

Fulltext word count: 156638

Detailed Description:

...in accordance with a preferred embodiment;

Figure 68 is a flow chart showing how the **validation** for user entered speed dial numbers is carried out in accordance with a preferred embodiment... Internet Protocols govern the behavior along the Internet backbone and thus set down the key **rules** for data communication. Transmission Control Protocol/Internet Protocol (TCP/IP) has an open nature and... Distributor (ACD). The 10 call processing including number translation services, automatic or manual operator services, **validation** services and database services are carried out on a set of dedicated general purpose computers... and Automated Operator; Voice Recognition and automated, interactive response; Customer and customer profile verification and **validation**; Voice Mail; Call **validation** and database; Audio Conference reservation; Video Conference reservation; Fax delivery and broadcasting; 1 5 Customer... switches 2 route and connect the calling and the called parties after the call is **validated** by the intelligent services network 4. The bridging switches have limited programming capabilities a@ and...a terminating number for a given call; Remote Query to Customer Databases; VNET/950 Card **Validation** Services; and VNET ANI/DAL **Validation** Services.

3. Intelligent Services Network (ISN)

The ISN 4 includes an Automatic Call Distributor (ACD... of services for call processing.

6/60

The different services offered by the ONC include.

Validation Services including call-type identification, call verification and call restrictions if any;

Operator Services, both...infrastructure requirements.

Usage Statistics Reporting includes gathering information from operational databases and billing information to **generate reports** of usage. The usage statistics reports are used to study call patterns, load patterns and... by communicating with the NIDS

1 5 (Network Information Distributed Services) Server which are the **Validation** or the Database Servers with the requisite databases for the various services offered by ISN. Once the call is **validated** by processing of the call

on the server, the agent communicates the status back to...lookup requests. The database lookup requests include queries on the type of the call, call **validation** based on the telephone numbers of both the calling and the called parties and also...accept externally placed priority reservations through the external control application programming interface 2040. The controller **validates** priority reservations for particular flows against admission control procedures and policy procedures, and if S...12. Transactional capabilities can be relaxed at end-user discretion if allowed within the business **rules**.

13. **Rules**-based logic and other meta-data controls provide a flexible means to apply policy.

14...method.

36. The internal value of a data item is constrained by range restrictions and **rules**.

. Data items in an invalid state should be inaccessible to users.

7. Operational Support Principles...based upon capabilities such as comparison and database lookup, this function can be used to **validate** calling card use by prompting for a card number and/or an access number (pin number), or to **validate** access to a virtual private network.

Automated User Interaction - based upon capabilities such as voice...anything from an internet logon, to an

800 call, to a point of sale card **validation** data transaction. Once the initiating action occurs in the network, the service select function 2148...managing data;

Separate data from applications;

Establish patterns for the design of data systems;

Provide **rules** for systems deployment;

e Guide future technology selections; and

Reduce redundant developments and redundant data... data are transparent to the dbClients 2234.

The dbServer 2236 includes the layers of business **rules** which describe or enforce the relationships between data items and which constrain particular data values or formats. Every data update must pass these **rules** or is rejected. In this way dbServer ensures all data is managed as a single copy and all business **rules** are collected and applied uniformly.

The dbServer 2236 tracks when, and what kind of, data... ..functional components of the Data Management 2138

domain. Data Management policies include security, distribution, integrity **rules**, performance requirements, and control of replications and partitions.

1 5 dbAdmin 2238 includes the physical...text forms.

9. Meta-Data .

Meta-data is a form of data which comprises the **rules** for data driven logic.

Meta-data is used to describe and manage (i.e. manipulate... ..should take advantage of commercially available products whenever possible.

Vendors offer database technology, replication services, **Rules** systems, Monitoring facilities, Console environments, and many other attractive offerings.

J, ISP Resource Management Model... between the user of the network resources and the resources themselves.

Policy: A set of **rules** that governs the actions taken on resource allocation and de-allocation, resource pool size thresholds...and GRM 2188 and the logical relationships and interactions between them. It also describes the **rules** and policies that govern the resource allocation and de-allocation process between the LRM/GRM...perform their tasks, the Resource Management Model elements must interact and co-operate within the **rules**, policies and guidelines of the Resource Management Model. The following sections explain how these entities...Create a model for identifying various network platforms; Classify Information Flow; Provide standard nomenclature; Provide **rules** for systems deployment; and Guide future technology selections.

2. Information Flow.

One of the key...shown in Figure 39 have been arrived at as part of the physical network modeling **rules**. Some of these **rules** allow for generalities that future demands and some will constrain definitions to avoid conflicts.

1...addition, security is designed into the WWW Browser and ARU interface options to verify and **validate** user access to directlineMCI profiles, Message Center, Personal Home Page calendars and Personal Home Page...by Welcome Servers 450 to issue a TOKEN to login attempts. The issued TOKEN, once **validated**, is used to track the state information for a connection by the Application Servers. The... ..Servers 454 do the following tasks.

1. Issue single use TOKEN during authentication phase.
2. **Validate** single use TOKEN (mark it for multi use).

2o 3. **Validate** multi-use TOKEN.

Re-**validate** multi-use TOKEN.

The Token Servers 454 are required to issue a unique TOKEN on...request, with its embedded TOKEN, is sent to the appropriate Application Server. The Application Server **validates** the TOKEN using the Token Server 454 and, if valid, serves the request. A Token ...work as front-ends for database services behind the firewall. Their main task is to **validate** the access by means of

the TOKEN, and then **validate** the database request. The database requests are to Create, Read, Update or Delete existing records or data fields on behalf of the user. The Application Servers do the necessary **validation** and authority checks before serving the request.

1. Welcome Servers.

The Welcome Servers serve the...to refresh. The Token services are.

117

Grant a single use TOKEN for login attempt.

Validate a single use TOKEN.

Validate a TOKEN.

Re-Validate a TOKEN.

TOKEN aging is implemented by a separate service to reduce the

3. Profile...project implements the security by using the following schemes.

Single use TOKENS for login attempts;

Validated TOKENS will accompany all transactions;

0 TOKEN aging to invalidate a TOKEN if it has...from the Service selection screen, the request is accompanied by the Token. The token is **validated** before the service is accessed, as shown in Figure 43.

PI Service

The screens generated... Address. The Authority binary flag determines the access level. The low access level only allows **validate/re-validate** commands on an existing TOKEN; the high access level additionally allows Grant and **Validate** single use TOKEN commands as well.

This database is also accessed by the Web Administrators...profile;

*Invoke directlineMCI profiles;

*Voice annotate directlineMCI profile names;

Update existing directlineMCI profiles;

Support the **rules** -based logic of creating and updating directlineMCI

profiles (e.g., selection of only one call...connecting peripheral devices such as a communication network (e.g., a data processing network) 81, **printer** 30 and a disk storage

unit 20 to the bus 12, a user interface adapter...on the other hand, provides not only behavior but also the protocol or set of **rules** that govern the ways in which behaviors can be combined, including **rules** for what a programmer is supposed to provide versus what the framework provides.

? Call versus...prompts the caller for a card number and a terminating number. The card number is **validated** using a card **validation** database. Assuming the card number is valid, then if the terminating number is in the...on the PC.

2. When the directory service receives this message from the PC, it **validates** the user by using the VNET number to look up a user profile and comparing the password in the profile to the password received. Once the user has been **validated**, the directory service will update the profile entry associated with the VNET number (...the directory service.

4. When the directory service receives this response from the PC, it **validates** the user. Once the user has been **validated**, the directory service will update the profile entry associated with the VNET number (or other...establishes a PPP session. The user on the Client Computer is authenticated (username/password prompt, **validated** by an authentication server). Once the user passes authentication, the Access Device can automatically update...generated from other types of SS7 network elements. They also provide inflexible and proprietary analysis **rules** for event correlation.

A system and method for providing enhanced SS7 network management functions are ...408, which runs primarily on the Alarming Server 302, defines the specific parsing and analysis **rules** to be used by SNMS. These **rules** are then loaded into Process Events 402 for use in parsing and analysis. The algorithms...are procedural in nature and are based on network topology. They consist of both simple **rules** that are written in a proprietary language and can be changed dynamically by an SNMS user, and of more complex **rules** which are programmed within SNMS software code.

The Receive NMS Data component 410, which runs... reporting database on the SNMS I /,
3
Reporting Server 304 for future reference by SNMS **rules**.

In step 524, if the event is determined to be a defined SS7 network event...SNMS discards it.

.2 3In step 610, the event is parsed according to defined parsing **rules** 614.

The parsing **rules** 614 specify which fields are to be extracted from which types of events, and are...can be processed by Process Events 402.

In step 706, the standardized data records are **validated** against other data.

For example, circuit topology records are **validated** against node topology records to ensure that end nodes are identified and defined.

In step...connections (for non-adjacent nodes)

NPA/NXX lists

trunk group lists

end office access tandem

rules definition help screens (aid the operator in understanding the actual

algorithm used in generating the...

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